

## FIRE-RETARDANT ELASTOMERIC PACKING MATERIAL FOR FIRE PROTECTION

Patent Number: JP63030588  
Publication date: 1988-02-09  
Inventor(s): SUNATSUKA HIDEO; others: 02  
Applicant(s): FUJIKURA LTD  
Requested Patent: JP63030588  
Application Number: JP19860173272 19860723  
Priority Number(s):  
IPC Classification: C09K21/14; C08K3/22; C08L21/00; C09K3/10; F16J15/10; F16L5/02; H02G3/22  
EC Classification:  
Equivalents: JP1954961C, JP6074405B

### Abstract

**PURPOSE:**To obtain the title material which is free from the evolution of a toxic gas, emits a reduced amt. of smoke, and suitable for use in partition wall penetrating sections, such as electric wires and cables, by incorporating carbon black and a crosslinking agent in a mixture of an elastomer free from a halogen atom with a hydrous inorg. compd. to prepare a composition and then molding and crosslinking the composition.  
**CONSTITUTION:**100pts.wt. mixture of 15-65wt% elastomer free from a halogen element, such as an ethylene-alpha-olefin copolymer, butyl rubber, or the like, with 85-35wt% fire-retardant agent composed of a hydrous inorg. compd. having an average particle diameter of 0.1-20µm [e.g., Al(OH)<sub>3</sub>] is blended with 0.1-20pts.wt. carbon black, e.g., one obtd. in a furnace and having an average particle diameter of 1µm-10µm and a carbon content of 95% or more and a crosslinking agent (vulcanizing agent), such as dicumyl peroxide, to prepare an elastomer compsn. The compsn. is molded into a desired shape, followed by crosslinking.

Data supplied from the esp@cenet database - I2